

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/324,465DATE: 10/12/1999
TIME: 11:49:04

Input Set: I324465.RAW

<p>This Raw Listing contains the General Information Section and up to first 5 pages.</p>

ENTERED

1 <110> APPLICANT: Glucksmann, Maria A.
 2 Hodge, Martin G.
 3 <120> TITLE OF INVENTION: 2871 RECEPTOR, A NOVEL G-PROTEIN COUPLED RECEPTOR
 4 <130> FILE REFERENCE: 5800-2A (035800/183295)
 5 <140> CURRENT APPLICATION NUMBER: US/09/324,465
 6 <141> CURRENT FILING DATE: 1999-06-02
 7 <150> EARLIER APPLICATION NUMBER: 09/088,857
 8 <151> EARLIER FILING DATE: 1998-06-02
 9 <160> NUMBER OF SEQ ID NOS: 6
 10 <170> SOFTWARE: PatentIn Ver. 2.0
 11 <210> SEQ ID NO 1
 12 <211> LENGTH: 358
 13 <212> TYPE: PRT
 14 <213> ORGANISM: Homo sapiens
 15 <400> SEQUENCE: 1

16 Met Gly Phe Asn Leu Thr Leu Ala Lys Leu Pro Asn Asn Glu Leu His
 17 1 5 10 15
 18 Gly Gln Glu Ser His Asn Ser Gly Asn Arg Ser Asp Gly Pro Gly Lys
 19 20 25 30
 20 Asn Thr Thr Leu His Asn Glu Phe Asp Thr Ile Val Leu Pro Val Leu
 21 35 40 45
 22 Tyr Leu Ile Ile Phe Val Ala Ser Ile Leu Leu Asn Gly Leu Ala Val
 23 50 55 60
 24 Trp Ile Phe Phe His Ile Arg Asn Lys Thr Ser Phe Ile Phe Tyr Leu
 25 65 70 75 80
 26 Lys Asn Ile Val Val Ala Asp Leu Ile Met Thr Leu Thr Phe Pro Phe
 27 85 90 95
 28 Arg Ile Val His Asp Ala Gly Phe Gly Pro Trp Tyr Phe Lys Phe Ile
 29 100 105 110
 30 Leu Cys Arg Tyr Thr Ser Val Leu Phe Tyr Ala Asn Met Tyr Thr Ser
 31 115 120 125
 32 Ile Val Phe Leu Gly Leu Ile Ser Ile Asp Arg Tyr Leu Lys Val Val
 33 130 135 140
 34 Lys Pro Phe Gly Asp Ser Arg Met Tyr Ser Ile Thr Phe Thr Lys Val
 35 145 150 155 160
 36 Leu Ser Val Cys Val Trp Val Ile Met Ala Val Leu Ser Leu Pro Asn
 37 165 170 175
 38 Ile Ile Leu Thr Asn Gly Gln Pro Thr Glu Asp Asn Ile His Asp Cys
 39 180 185 190
 40 Ser Lys Leu Lys Ser Pro Leu Gly Val Lys Trp His Thr Ala Val Thr
 41 195 200 205
 42 Tyr Val Asn Ser Cys Leu Phe Val Ala Val Leu Val Ile Leu Ile Gly
 43 210 215 220
 44 Cys Tyr Ile Ala Ile Ser Arg Tyr Ile His Lys Ser Ser Arg Gln Phe

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/324,465

DATE: 10/12/1999
TIME: 11:49:04

Input Set: I324465.RAW

```

45      225      230      235      240
46      Ile Ser Gln Ser Ser Arg Lys Arg Lys His Asn Gln Ser Ile Arg Val
47              245              250              255
48      Val Val Ala Val Phe Phe Thr Cys Phe Leu Pro Tyr His Leu Cys Arg
49              260              265              270
50      Ile Pro Phe Thr Phe Ser His Leu Asp Arg Leu Leu Asp Glu Ser Ala
51              275              280              285
52      Gln Lys Ile Leu Tyr Tyr Cys Lys Glu Ile Thr Leu Phe Leu Ser Ala
53              290              295              300
54      Cys Asn Val Cys Leu Asp Pro Ile Ile Tyr Phe Phe Met Cys Arg Ser
55      305              310              315              320
56      Phe Ser Arg Arg Leu Phe Lys Lys Ser Asn Ile Arg Thr Arg Ser Glu
57              325              330              335
58      Ser Ile Arg Ser Leu Gln Ser Val Arg Arg Ser Glu Val Arg Ile Tyr
59              340              345              350
60      Tyr Asp Tyr Thr Asp Val
61              355
62 <210> SEQ ID NO 2
63 <211> LENGTH: 1489
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 2
67      ccacgcgtcc ggagaatttg aaaggggtgcc ccaaaggaca atctctaaag gggtaaggga 60
68      gatacctacc ttgtctggta ggggagatgt ttcgttttca tgctttacca gaaaatccac 120
69      ttccctgccc accttagttt caaagcttat tcttaattag agacaagaaa cctgtttcaa 180
70      cttgaagaca ccgtatgagg tgaatggaca gccagccacc acaatgaaag aaatcaaacc 240
71      aggaataacc tatgctgaac ccacgcctca atcgctccca agtgtttccct gacacgcata 300
72      tttgcttaca gtgcatcaca actgaagaat ggggttcaac ttgacgcttg caaaattacc 360
73      aaataacgag ctgcacggcc aagagagtca caattcaggc aacaggagcg acgggccagg 420
74      aaagaacacc acccttcaca atgaatttga cacaattgtc ttgccggtgc tttatctcat 480
75      tatattttgt gcaagcatct tgctgaatgg tttagcagtg tggatcttct tccacattag 540
76      gaataaaacc agcttcatat tctatctcaa aaacatagtg gttgcagacc tcataatgac 600
77      gctgacattt ccatttcgaa tagtccatga tgcaggattt ggaccttggt acttcaagtt 660
78      tattctctgc agatacactt cagttttgtt ttatgcaaac atgtatactt ccatcgtgtt 720
79      ccttgggctg ataagcattg atcgctatct gaaggtggtc aagccatttg gggactctcg 780
80      gatgtacagc ataaccttca cgaaggtttt atctgtttgt gtttgggtga tcatggctgt 840
81      tttgtctttg ccaaaccatca tccctgacaaa tggtcagcca acagaggaca atatccatga 900
82      ctgctcaaaa cttaaaagtc ctttgggggt caaatggcat acggcagtc cctatgtgaa 960
83      cagctgcttg tttgtggccg tgctgggtgat tctgatcgga tgttacatag ccatatccag 1020
84      gtacatccac aaatccagca ggcaattcat aagtcagtc agccgaaagc gaaaacataa 1080
85      ccagagcatc agggttgttg tggctgtgtt ttttacctgc tttctaccat atcacttgtg 1140
86      cagaattcct tttactttta gtcacttaga caggctttta gatgaatctg cacaaaaaat 1200
87      cctatattac tgcaaagaaa ttacactttt cttgtctgcy tgtaatgttt gcctggatcc 1260
88      aataatttac tttttcatgt gtaggtcatt ttcaagaagg ctgttcaaaa aatcaaatat 1320
89      cagaaccagg agtgaaagca tcagatcact gcaaagtgtg agaagatcgg aagttegcac 1380
90      atattatgat tacactgatg tgtaggcctt ttattgtttg ttggaatcga tatgtacaaa 1440
91      gtgtaaataa atgtttcttt tcattaataa aaaaaaaaaa aaaaaaaag 1489
92 <210> SEQ ID NO 3
93 <211> LENGTH: 269
94 <212> TYPE: PRT

```

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/324,465

DATE: 10/12/1999
TIME: 11:49:04

Input Set: I324465.RAW

```

95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus
98 sequence of the seven transmembrane domain
99 rhodopsin superfamily from the Prosite data base
100 <400> SEQUENCE: 3
101 Gly Asn Ile Leu Val Ile Trp Val Ile Cys Arg Tyr Arg Arg Met Arg
102 1 5 10 15
103 Thr Pro Met Asn Tyr Phe Ile Val Asn Leu Ala Val Ala Asp Leu Leu
104 20 25 30
105 Phe Ser Leu Phe Thr Met Pro Phe Trp Met Val Tyr Tyr Val Met Gln
106 35 40 45
107 Gly Arg Trp Pro Phe Gly Asp Phe Met Cys Arg Ile Trp Met Tyr Phe
108 50 55 60
109 Asp Tyr Met Asn Met Tyr Ala Ser Ile Phe Phe Leu Thr Cys Ile Ser
110 65 70 75 80
111 Ile Asp Arg Tyr Leu Trp Ala Ile Cys His Pro Met Arg Tyr Met Arg
112 85 90 95
113 Trp Met Thr Pro Arg His Arg Ala Trp Val Met Ile Ile Ile Ile Trp
114 100 105 110
115 Val Met Ser Phe Leu Ile Ser Met Pro Pro Phe Leu Met Phe Arg Trp
116 115 120 125
117 Ser Thr Tyr Arg Asp Glu Asn Glu Trp Asn Met Thr Trp Cys Met Ile
118 130 135 140
119 Tyr Asp Trp Pro Glu Trp Met Trp Arg Trp Tyr Val Ile Leu Met Thr
120 145 150 155 160
121 Ile Ile Met Gly Phe Tyr Ile Pro Met Ile Ile Met Leu Phe Cys Tyr
122 165 170 175
123 Trp Arg Ile Tyr Arg Ile Ala Arg Leu Trp Met Arg Met Ile Pro Ser
124 180 185 190
125 Trp Gln Arg Arg Arg Arg Met Ser Met Arg Arg Glu Arg Arg Ile Val
126 195 200 205
127 Lys Met Leu Ile Ile Ile Met Val Val Phe Ile Ile Cys Trp Leu Pro
128 210 215 220
129 Tyr Phe Ile Val Met Phe Met Asp Thr Leu Met Met Trp Trp Phe Cys
130 225 230 235 240
131 Glu Phe Cys Ile Trp Arg Arg Leu Trp Met Tyr Ile Phe Glu Trp Leu
132 245 250 255
133 Ala Tyr Val Asn Cys Pro Cys Ile Asn Pro Ile Ile Tyr
134 260 265
135 <210> SEQ ID NO 4
136 <211> LENGTH: 20
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
141 oligonucleotide primer
142 <400> SEQUENCE: 4
143 atcgtgttcc ttgggctgat
144 <210> SEQ ID NO 5

```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/324,465DATE: 10/12/1999
TIME: 11:49:04

Input Set: I324465.RAW

145 <211> LENGTH: 19
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
150 oligonucleotide primer
151 <400> SEQUENCE: 5
152 tccgagagtc cccaaattgg 19
153 <210> SEQ ID NO 6
154 <211> LENGTH: 29
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
159 oligonucleotide probe
160 <400> SEQUENCE: 6
161 agcattgatc gctatctgaa ggtggtcaa 29

PAGE: 5

VERIFICATION SUMMARY
PATENT APPLICATION US/09/324,465

DATE: 10/12/1999
TIME: 11:49:04

Input Set: I324465.RAW

Line ? Error/Warning

Original Text
